Waterworks (Continued)

Mich., Detroit—Water. Bd.. submitted plans to City Council for completing filtration plant, cost $5,326,000; building and equipping boiler house, $439,600; building Booster station to increase volume of present intake and supply filtration plant, $482,000; installing 23 mi. main pipe lines, $1,706,000 and 130 mi. distributing lines in various parts of city, $1,544,000. G. H. Fenkell, ch. engr.

Mich., Detroit—City soon lets contract furnishing 2000 tons 48 in. Class "C" A. W. W. A. c. i. bell and spigot pipe. G. H. Fenkell, ch. engr.

Minn., Tyler—City voted $20,000 bonds to rebuild water and light plants.

Kan., Hutchinson—City plans to build 2 cement water cranes and improve waterworks system.

Kan., Junction City—City plans to extend water system and install 2 high pressure hydrants. T. Dever, city engr.

Kan., Topeka—State Legislature, appropriated $10,000 to improve water system, also steam heating and electric light plants at State Hospital here.

N. D., Minot—City soon receives bids building 3,000,000 gal. concrete reservoir. About $116,000. E. J. Thomas, city engr. Noted Oct. 31.

Tex., Mission—See "Sewers."

Okla., Ada—City defeated $85,000 bonds for improvements to water-works. W. B. Jones, clk. Noted Jan. 2.

Okla., Walters—City election Feb. 14 to vote on $45,000 bonds to extend water, sewer and light systems. A. H. Japp, city atty.

Colo., Denver—City plans to build 7000 ft. 16 in. c. i. water main on 16th Ave. from Bellaire St. to Monaco St. Pkway, cost $53,000; repair 5500 ft. 40 in. wood stave pipe between Kasstler Station and Willard filters, $15,000. B. Lowther, ch. engr., water system.

Ont., Ottawa—Bd. Control receives bids about Mar. 15 for purchasing and installing water meters. About $40,000. A. F. McCallum, Ottawa, engr.

BIDS DESIRED

N. Y., New York—Until Feb. 20, by N. J. Hayes, comr. water supply, gas and electricity, furnishing, delivering, unloading, stacking and storing c. i. valve box castings, valves and hydrants.

N. J., Bayonne—Until Feb. 21, by Bd. Comrs., furnishing and laying about 3100 ft. new 30 in. water pipe upon pile and timber foundation on east and west banks of Hackensack River, double 30 in. c.i. pipe with flexible joints in trench to be dredged under Hackensack River, valves, connections, etc., taking up and relaying 330 ft. 30 in. c.i. water pipe now located on old right of way on east and west sides of Hackensack River and thoroughly cleaning and repainting same inside and out and removing and relaying same on new right of way parallel with new 30 in. line, furnishing and laying 900 ft. 18 in. c.i. water pipe with valves and appurtenances, 760 ft. 12 in. and 700 ft. 4 in. c.i. water pipe to be of Class B. Amer. Water Works Standard. Project involves furnishing and laying 950 tons 30 in. flexible joint c.i. pipe, 520 tons 30 in. c.i. pipe, 3300 ft. 30 in. c.i. pipe, 70 tons 18 in. c.i. pipe, 30 tons 12 in. c.i. pipe, 8 tons 4 in. c.i. pipe, 1700 piles, dredging 100,000 cu.yd. in Hackensack River, placing 1000 cu.yd. concrete, furnishing valves, hydrants, meters, etc. M. R. Sherrerd, 20 Clinton St., Newark. consult. engr.; advertised in this issue.

Md., Brunswick—Until Feb. 19, by E. L. Harrison, mayor, furnishing and laying 26,000 ft. 4-10 in. wood stave pipe and 3-10 in. c.i. pipe, including construction of river crossing and appurtenant work. Norton, Bird & Whitman, 1320 Munsey Bldg., Baltimore, engrs.; advertised in this issue.

Okla., Wewoka—Until Feb. 19, by city, building extension to water-works system as follows, (1) furnishing, transporting, laying and backfilling complete 15,000 lin.ft. Class A, B and C c.i. pipe; (2) furnishing, trenching, laying, backfilling complete 500 lin.ft. No. 2 vitr. sewer pipe, 2 manholes, 50 cu.yd. rock excav. in sewer trench; (3) furnishing, transporting and setting in place two 10 in. hub end valves and boxes; (4) rein.-con. coagulating basins, agitator and filter complete including excav.; (5) 1 filter house complete above foundations; (6) remodeling clearwell; (7) filter equipment complete, capacity 300 gallons per minute; (8) spring creek dam complete, 25,000 cu. yd. compacted earth fill, 1500 sq.yd. 4 in. rein.-con. pavement, 800 sq.yd. 12 in. stone riprap pavement, 180 cu.yd. rein.-con. corewall, (9) 3000 sq.ft. wood sheet piling; 1 rein.-con. spillway, complete including flume through dam, control valves, screens and piping; (10) clearing reservoir site of all timber; (11) alternate bids as per item (1) using 10 in. wood pipe for 50 ft. head and Class No. 100 universal pipe. Benham Eng. Co., Colcord Bldg., Oklahoma, engrs.

Ont., Ottawa—Until Feb. 20, by Bd. Control laying 3500 ft. 3-6 in. c.i. pipe, 13,100 ft. 6-24 in. vitr. clay pipe, thirty-three 3-12 in. stop valves, quarter bends and junctions, etc. A. F. McCallum. City Hall, engr.

Ont., Pembroke—Until Mar. 7, by town, for furnishing and installing 1 water works pumping unit comprising turbine pump of 2000 gal. capacity against 330 ft. head, and steam turbine or gasoline engine, direct connected to pump. W. J. Moore, town engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract.)

★Minn., Hallock—Village let contract building 60,000 gal. steel water tank, to Des Moines Bridge & Iron Co., Tuttle St. between 9th and 10th Sts., Des Moines, Ia., $6500. Noted Jan. 2.

Sewers

PROPOSED WORK

Conn., Bridgeport—Sewer Bd. receives bids in spring building storm and sanitary sewers in various streets, cost $100,000; storm sewer in Black Rock Sect., $71,800. J. A. McElroy, city engr.

Conn., Bridgeport—City receives bids in spring building sanitary sewer in Wood and Hillside Aves., cost $15,500; Island Brook Ave. and River St., $25,000; combined sewer in East Washington Ave., $6300; Spring St., $25,000; storm sewer in Railroad Court extension, $18,000 and sanitary intercepting sewer in Bay St., $17,100. J. A. McElroy, city engr.

N. Y., Utica—City plans to build sewers in various streets. About $30,000. J. Kimper, city engr.

O., Niles—City plans to build sewers in East Side Sewer Dist. No. 4. H. Turner, city engr.

O., Warren—City plans to build sewers in Northwest Dist. About $20,000. C. H. Lawrence, city engr.

Mich., River Rouge—Ford Motor Co., Highland Park, plans to build 6 mi. sanitary sewer system. Work involves 16 and 54 in. concrete crocks, also 8 and 12 in. vitr. crocks. Bids will soon be received for material; installation of sewers to be done by day labor. S. D. Bullock, constr. supt.

Wis., Kenosha—City plans to build sewer outlet. About $10,000.

Tex., Mission—City plans to build sewerage and waterworks systems. About $25,000.

Okla., Duncan—Bd. Pub. Wks. rejected bids building sewage disposal plant. Benham Eng. Co., Colcord Bldg., Oklahoma, engrs. Noted Sept. 30.

Ore., Portland—City soon lets contract building sewers in Harris St. and Ellis Ave. O. L. Aurgaard, city engr. Noted Feb. 6.

Cal., Los Angeles—H. C. Hansen, city engr., recommended that $78,826 be appropriated to replace 240 culverts in paved streets with concrete structures 1-5 ft. wide.

Cal., Los Angeles—Bd. Pub. Wks. receives bids in March building cement or vitr. pipe sewers, manholes, flush tanks, etc., in Wilmington Harbor Dist. About $160,000. W. T. Knowlton, sewer engr. Noted Oct. 24.

Cal., San Bernardino—City soon receives bids building 6 and 8 in. sewers in D St. from 19th St. to Highland Ave.; F St. from 13th to 14th Sts. and 14th St. from D to E Sts. C. E. Johnson, city engr.

BIDS DESIRED

O., Cleveland—Until Feb. 20, by city, building 2520 ft. 12-24 in. vitr. sewer in Corsica, Damon and Grovewood Aves.; 2600 ft. 12-24 in. vitr. sewers in East 140th, 157th and 160th Sts.; 5050 ft. 12-24 in. vitr. sewer in Hale, Huntmere, Parkgrove and Sylvia Aves. R. Hoffman, city engr. Noted Jan. 30.

O., Columbus—Until Feb. 25, by G. E. Borden, dir. pub. serv., building following sewers: 12,542 ft. Franklin Park extension; ¾ mi. Clintonville main sewer, Walhalla Branch; 750 ft. in alley south of Sullivant Ave. from Wrex Lane Ave. to Williamson St.; ¼ mi. in alley west of Woodland Ave. from Maryland to Emerald Aves.; 1¼ mi. in Grace St.; 1¾ mi. in first alley north of Mound St. and 14 other streets and alleys; ¾ mi. in alley north of Howard Ave. to Rosethorn Ave.; ¾ mi. 3rd. Ave. relief sewer, Mt. Pleasant Branch. H. Maetzel, city engr.

Minn., St. Paul—Until Feb. 17, by Purch. Dept., building sewer in Syndicate Ave. from Stanford Ave. to St. Clair St., and Noswell Ave., from Keston Ave. to St. Anthony Park. Work involves three manholes, 483 lin.ft. 12 in. and 209 lin.ft. 9 in. concrete pipe. O. Claussen, city engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★N. Y., Long Island City—M. Connolly, pres. Queens Boro., let contract building sewers in 80th St. from Liberty to Atlantic Aves., Atlantic Ave. from 80th to 76th Sts., 76th St. from Atlantic to 93rd Aves., 93rd Ave. from 76th to Elderts Lane, Elderts Lane from 93rd to Jamaica Aves., 78th St. from Atlantic to Jamaica Aves., and Jamaica Ave. from Elderts Lane to the crown. Queens and Brooklyn Boroughs, to H. J. Mullen Contg. Co., Inc., Fulton St., Brooklyn, $209,068. Noted Jan. 23.

N. Y., Syracuse—Intercepting Sewer Bd. received bids Feb. 6, building Div. 3, 4 and 5 of Onondaga Creek improvement and main intercepting sewer, from J. Young, Bastable Blk., $543,327; I. M. Luddington Sons, Power Bldg., Rochester, $543,402. Plans include 2 mi. creek improvement and 1.3 mi. intercepting sewer and involves 111,500 cu.yd. excav. and 18,000 cu.yd. concrete. Noted Jan. 30.

★N. D., Forman—Sargent Co. let contract laying drains, to Great Northern Bridge Co., Wahpeton. About $15,000.

Bridges

PROPOSED WORK

Conn., Bridgeport—City receives bids in spring building concrete culvert on Arcadia St., cost $5500; Capitol Ave., $7500; Cleveland Ave., $5000. J. A. McElroy, city engr.

Conn., New Haven—J. J. Lane, dir. pub. wks., City Hall, receives bids in spring repairing and building Neck Bridge, on State St., cost $20,000; Middletown Ave. Bridge, $80,000; Barnesville Bridge, $60,000; Washington Ave. Bridge, $60,000; Mill River Bridge, Grand Ave., $70,000; Whalley Ave. Bridge, $50,000; West River tide gates on Congress Ave., $40,000 and Orange St. Bridge over Mill River, $40,000. F. L. Ford, city engr.

N. J., Lodi—Bd. Freeholders Bergen Co., Hackensack, soon receives bids building steel and concrete bridge here. About $20,000.

Fla., Arcadia—See "Streets & Roads."

O., Columbus—City and Pennsylvania R.R. soon receive bids building concrete viaduct over Pennsylvania tracks on Cleveland Ave. About $300,000. Braun, Fleming, Knollman & Prior, 233 South High St., archts. Cost to be borne by city and railroad.

Cal., Merced—See "Streets & Roads."

BIDS DESIRED

W. Va., Buckhannon—Until Mar. 23, by Upshur Co. building rein.-con. arch bridge over Buckhannon River at Ours Mill. Noted Oct. 3.

Tenn., Sneedville—Until Feb. 25, by Comrs. Hancock Co. Pike Rd., building 160 ft. single span steel bridge, 12 ft. wide, over Powells River at mouth of Mulberry Creek. H. B. Jarnagin, chn.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract.)

★Pa., New Castle—Lawrence Co. let contract building 1 through span steel bridge, 218 ft. long, 38 ft. wide, over Neshannock Creek on South Mill St., to F. S. Wilson, Kittanning. About $113,800. Noted Jan. 9.

★O., Lisbon—State Highway Comn., Columbus, let contract building bridge on Sect. "E" of Cleveland-East Liverpool Rd., Columbiana Co., to N. R. Porterfield, Yugstown. $20,859. Noted Feb. 6 under "Streets and Roads."

★Okla., El Reno—Canadian Co. let contract building 510 ft. rein.-con. bridge, cost, $25,400 and 160 ft. rein.-con. bridge, cost, $7300, to Kansas City Bridge Co., Orear-Leslie Bldg., Kansas City, Mo.

Bridges (Continued)

★**Nev., Fallon**—State Highway Comn., State Printing Office Bldg., Carson City, let contract building 87 ft. rein.-con. girder bridge over Truckee-Carson Canal near here, involving 175 cu.yd. excav., 504 lin.ft. concrete piles, 126 cu.yd. Class "A" concrete and 202 lin.ft. iron pipe railing and 162 ft. rein.-con. trestle over Carson River, near here, involving 20 cu.yd. excav., 824 lin.ft. rein.-con. piles, 52.5 cu.yd. Class "A" precast concrete, 134.2 cu.yd. Class "A" concrete and 324 lin.ft. iron pipe railing, to Parrott & Thompson, 824 South 4th St., W., Salt Lake City, Utah. About $6483 and $11,448 respectively. Noted Jan 9

★**Nev., Winnemucca**—State Highway Comn., State Printing Office Bldg., Carson City, let contract building 137 ft. rein.-con. trestle over Humbolt River, to Parrott & Thompson, 824 South 4th St., W., Salt Lake City, Utah. About $10,883. Work involves 20 cy.yd. excav., 1000 lin.ft. concrete piles, 46.7 cu.yd. Class "A" precast concrete, 107 cu.yd. Class "A" concrete, 288 ft. iron pipe railing, etc. Noted Jan. 9.

★**Ore., Roseburg**—Douglas Co. will build 140 ft. approach to north side of Winchester bridge. Plans include lowering grade on county road from river to Kolhagen ranch. Work will be done by day labor under supervision of M. Germond, roadmaster.

Structural Steel

PRICES AND CONTRACTS AWARDED

(★Indicate award of contract)

★**Pa., New Castle**—See "Bridges."

Reinforced Concrete

PROPOSED WORK

N. Y., New York—See "Industrial Works."

N. J., Hoboken—See "Miscellaneous."

N. J., Lodi—See "Bridges."

Cal., Quincy—See "Buildings."

BIDS DESIRED

N. Y., Buffalo—See "Industrial Works."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Nev., Fallon**—See "Bridges."

★**Nev., Winnemucca**—See "Bridges."

Streets and Roads

PROPOSED WORK

Mass., Medford (Boston P. O.)—City plans to build Chardon Rd., Evans and Cove Sts., Golden Ave. and Jackson Rd. bituminous macadam, 40 ft. wide. About $75,000. F. R. Charnock, city engr.

N. Y., Utica—City plans to pave and resurface various streets. About $200,000. J. Kimper, city engr.

N. J., Belvidere—Bd. Freeholders Warren Co. soon receives bids improving Sect. 3 of Hope-Buttzville Rd.

N. J., Hackensack—Bd. Freeholders Bergen Co., soon receives bids paving Willow Ave., rein.-con., cost, $80,000; Paterson Plank Rd. from Hackensack bridge to Carlstadt, granite block, $120,000; Bergen Turnpike, $120,000.

N. J., Jersey City—Hudson Co. Blvd. Comrs. receive bids in March resurfacing Hudson Co. Blvd., between Central R.R. tracks and Communipaw Ave., bituminous concrete surface on stones or macadam foundation. About $100,000. T. J. Wasser, co. engr. Noted Sept. 26.

N. J. Linden—City soon receives bids improving Woods Ave. About $15,000.

N. J., Paterson—Bd. Freeholders Passaic Co. soon receives bids building Greenwood Lake Rd., Barclay St. Hill, Van Houten St.; also Main Rd. from Little Falls Twp. to Paterson city line. G. Ferguson, Paterson, engr.

N. J., Weehawken—Hudson Co. Blvd. Comn., Jersey City, will receive bids in February removing portion of floor system of roadway and sidewalk of Park Ave. bridge over New Jersey Junction and Erie R.R. tracks. About $10,000.

Pa., Johnstown—Superv. Upper Yoder Twp., will soon receive new bids improving Mill Creek Rd., involving 36,700 cu.yd. excav., 19,960 cu.yd. fill and 62,611 sq.yd. pavement. Former bids rejected. Noted Dec. 19.

Md., Baltimore—Bd. Awards soon receives bids resurfacing and curbing 3 blocks Boone St from North Ave. to 22nd St., 3 blocks Homewood Ave. from North Ave. to 22nd St., 1 block Oakhill Ave. from North Ave. to 20th St., 1 block Cecil Ave. from North Ave. to 20th St., 2 blocks Kennedy Ave. from North Ave. to 22nd St., 9 blocks 20th St. from St. Paul to Kennedy Ave., 9 blocks 21st St. from Oak to Homewood Aves., 5 blocks Guilford Ave. from North Ave. to 24th St., 3 blocks Oak St. from 21st to 24th St., 2 blocks Park Ave. from North Ave. to Reservoir St., 2 blocks Park Ave. from Newington Ave. to Lake Dr., 2 blocks Newington Ave. from Brookfield to Park Aves., 3 blocks Brookfield Ave. from Callow Ave. to Whitelock St., 2 blocks Bolton St. from North Ave. to Reservoir St., 3 blocks Lennox St. from Brookfield to Mt. Royal Aves., 1 block Ducatel St. from Linden to Brookfield Aves., 1 block Reservoir St. from Brookfield to Callow Aves., sheet asphalt over cobbles; 6 blocks Maryland Ave. from North Ave. to 25th St., redressed granite blocks on concrete base, 66 ft. wide, 40 ft. from curb to curb; also tearing out cobbles and replacing them with sheet asphalt, in McCulloh St. from North Ave. to Cloverdale Rd., Powers St. from Chestnut to Elm Aves.; 23rd St. from St. Paul to Barclay Sts. and from Greenmount Ave. to Starr Lane. About $225,000. J. M. McCummings, engr. com. for opening streets.

Md., Cumberland—City plans to pave various streets. About $35,000 available for project. R. L. Rizer, city engr.

Va., Chincoteague Island—Chincoteague Toll Rd. & Bridge Co. plans to build 12,000 ft. road on marsh meadow also connecting bridges. About $100,000. L. Jester, secy. bd. dirs.

N. C., Danbury—Stokes Co., Peters Creek Twp., voted $30,000 bonds to improve roads.

Fla., Arcadia—De Soto Co., McCall Special Road & Bridge Dist., plans to issue $35,000 bonds to build roads and bridges. A. L. Durant, clk.

Fla., Jacksonville—Comrs. Duval Co. soon let contract building 1 mi. John Anderson Highway, brick on sand base. Ellis Curtis and Kooker, Realty Bldg., engrs.

Fla., Jacksonville—Comrs. Duval Co. soon let contract laying 5000 sq. yd. brick paving and 10,000 lin. ft. concrete curbing on St. Augustine Rd. from end of brick road to Bayard Co. Noted May 23.

Ala., Tuscumbia—City plans to build 2 to 2½ mi. road, 50 ft. wide, concrete or asphalt. H. G. Ferree, engr.

Miss., Clarksdale—Bd. Supervs. Coahoma Co., receives bids about Mar. 1 grading and surfacing 22 mi. concrete roads, 9 ft. wide with earth shoulders. L. W. Mashburn, Clarksdale, engr.

Miss., Greenville—Washington Co. Highway Commission soon receives bids building about 100 mi. concrete and hard surfaced roads. W. E. Wilson, asst. engr.

La., New Iberia—Iberia Parish plans election Feb. 27 to vote on $60,000 bonds to build roads in 2nd Ward; $30,000 for roads 3rd Ward, and $47,000 for roads 5th Ward.

La., New Iberia—Rd. Dist. No. 6 Iberia Parish plans to issue $35,000 bonds for building roads; Dist. No. 4 will issue $60,000 bonds for same purpose. A. A. Theriot, pres. police jury.

O., Cleveland—Comrs. Cuyahoga Co. receive bids in spring paving 9 mi. McCracken Rd. from Bedford to Lee Rd. 16-25 ft. wide, water bound macadam, cost $31,000; grading, draining and paving 1.18 mi. Lee Rd. from Miles Ave. to East View Village, 16-30 ft. wide, $70,000. W. A. Stinchcomb, co. engr.

O., East Liverpool—City plans to issue $50,000 bonds to repave 4th 5th and 6th Sts., also St. Clair Ave. and Bway. J. E. Kelly, city engr.

Ind., Terra Haute—Comrs. Vigo Co. plan to grade and pave ½ mi. College Ave., 20 ft. wide, monolithic brick, on 4 in. concrete base. R. E. Gibbons, co. engr.

Mich., Detroit—Bd. Educ. plans to improve and grade site of Nordstrom High School on Fort and Waterman Sts. and pave walks, terrace, etc. of St. Michaels Junior High School. About $50,381.

Mich., Detroit—City plans to improve Grand River Ave. and Northwestern Field. About $12,220. H. H. Esselstyn, comr. pub. wks.

Mich., Detroit—City soon lets contract paving following streets: Cardoni Ave. from north line Holbrook to south line Lynn Ave., 26 ft. wide; Willett Ave., from west line Livernois Ave. to west line of B. & W Div. 26 ft. wide; Ellery St. from north line Harper to south line Milwaukee Ave., 26 ft. wide; Kanter St., from east line Moran St. to west line Mt. Elliott Ave., 26 ft. wide; Howard St. from west line Junction Ave. to east line Cavalry Ave., 24 ft. wide, all asphalt on 6 in. concrete base, Berea or Medina curbing. Work involves 11,717 cu.yd. excav., 13,748.9 lin.ft. curbing, 21,079.8 sq.yd. asphaltic paving, 397.3 cu.yd. concrete behind curb, 1232.7 lin.ft. retaining stone and 21,080 sq.yd. 6 in. concrete base. C. W. Hubbell, City Hall, engr.

Mich., Detroit—Dept. Parks & Blvds. submitted plans to City Council for resurfacing Belle Isle and Palmer Park Blvds. About $300,000. W. T. Dust, comr.

Mich., Hamtramck—Village plans to widen and repave 1⅞ mi. Joseph Cambau Ave., asphalt on concrete base, Berea or Modena curbing. G. Jerome, 1331 Majestic Bldg., Detroit, engr.

Mich., Sault Ste. Marie—City plans to pave Carrie St. from Kimball to Johnson Sts., bituminous macadam, cost $4800; Dawson St. from Bingham Ave. to Johnson St., $11,000; East Spruce St. from Magazine to Johnson Sts., $21,000; Arlington St., from Ashnum to Douglas Sts., brick on concrete base, $16,000; Oak St., brick on concrete base, $11,000; Algonquin Rd., bituminous macadam, $28,000; also resurfacing Ridge and Maple Sts., from Magazine to Johnson Sts., $14,500 and $14,000 respectively; repairing Shallows Rd., $3000.

Illinois—State Highway Comn., Springfield, plans to build following roads: State aid route north of Jacksonville, Morgan Co., 16 ft. wide, concrete, cost, $18,000; 4700 ft. Sect. "F" and 4000 ft. Sect. "G," state-aid roads, Bureau Co., 15 ft. wide, concrete, involving 4316 cu.yd. grading, 12,427 cu.yd. 7 in. paving and 111 cu.yd. concrete in culverts, $35,000; 7300 ft. Polo-Freeport Rd., Ogle Co., 10-16 ft. wide, concrete, involving 4476 cu.yd. grading, 11,800 sq.yd. 7 in. paving and 13 cu.yd. concrete in culverts, $27,000; 5300 ft. Route 1, Freeport-Wisconsin Rd., Stephenson Co., state aid, 10 ft. wide, brick, with 3 ft. macadam shoulders, involving 3500 cu.yd. grading, 5890 sq.yd. brick block, 3533 sq.yd. macadam shoulders and 61 cu.yd. concrete in culverts, $23,000; 10,000 ft. Joliet-Plainfield Rd., Will Co., 18 ft. wide, involving 3600 cu.yd. grading, 20,300 sq.yd. 7 in. paving and 75 cu.yd. concrete in culverts, $44,000. H. E. Bilger, rd. engr.

Ill., Murphysboro—City plans to expend between $50,000 and $100,000 for paving various streets. R. A. Rollo, city engr.

Ill., Oak Park—City plans to expend $500,000 on paving and other improvements W. F. Sargent, comr. pub. wks.

Wis., Elkhorn—Comrs. Walworth Co. receive bids in spring building 5 mi., Highway No. 20, concrete.

Wis., Grand Rapids—City plans to pave various streets. Work involves 25,000 sq.yd. pavement. A. T. Thompson, city engr.

Wis., Oshkosh—City plans to pave 5200 sq.yd. Otter St., 5800 yd. 10th St., from Brown to Rosalia Sts., 4000 yd. Marion St. from Main to Ohio Sts. and Jackson to Wisconsin Sts. G. Randall, city engr.

Ia., Cedar Rapids—City plans to build 3 mi. sidewalks, 5 ft. wide. T. F. McCauley, city engr.

Ia., Clinton—Clinton Co. receives bids about Mar. 1, grading 18 mi. Lincoln Highway. M. Sorensen, engr.

Nebraska—State Highway Comn., Lincoln, plans to build Federal Aid roads in following counties:

Washington and Burt Counties, 26.3 mi. Washington-Burt Rd., 24 ft. wide, involving 131,000 cu.yd. excav., 160 cu.yd. concrete culverts, cost $56,332.

Buffalo Co., 16.5 mi. Kearney-Pleasanton Rd., 24 ft. wide, 118,600 cu.yd. excav., 960 cu.yd. sand clay topping, $38,556.

Custer Co., 35 mi. Litchfield-Broken Bow Rd., 24 ft. wide, 188,400 cu.yd. excav., 3545 cu.yd. sand-clay topping, $74,874.

Lancaster and Gage Counties, 17.95 mi. Lincoln-Beatrice Rd., 24 ft. wide, 204,828 cu.yd. excav., 180 cu.yd. concrete culverts, $98,615.

Dodge and Saunders Counties, 33.67 mi. Fremont-Ceresco Rd., 24 ft. wide, 100,000 cu.yd excav., 340 cu.yd. concrete culverts, $50,050.

Seward, York and Hamilton Counties, 50.85 mi. Seward-Aurora Rd., 24 ft. wide, 220,000 cu.yd. excav., 300 cu.yd. concrete culverts, $103,007.

Otoe and Cass Counties, 27.55 mi. Nebraska City-Plattsmouth Rd., 24 ft. wide, 125,000 cu.yd. excav., 270 cu.yd. concrete culverts, $57,750.

Streets and Roads (Continued)

Dodge Co., 5.94 mi. Fremont-Ames Rd., 24 ft. wide, 16,567 cu.yd. excav., 33 cu.yd. concrete culverts, 55,757 sq.yd. concrete paving, $140,000.

Box Butte and Sheridan Counties, 14.83 mi. Alliance-Antioch Rd., 24 ft. wide, 72,200 cu.yd. excav., 17 cu.yd. concrete culverts, 11,500 cu.yd. sand-clay topping and 5750 cu.yd. gravel, $71,763.

Sioux and Dawes Counties, 40.8 mi. Harrison-Whitney Rd. 24 ft. wide, 124,700 cu.yd. excav., 300 cu.yd. concrete culverts, $56,720.

Douglas Co., 27 mi. Douglas Co.-Lincoln Rd., 24 ft. wide, 115,000 cu.yd. excav., $45,000.

Hayes and Chase Counties, 16.8 mi. Hamlet-Imperial Rd., 24 ft. wide, 80,000 cu.yd. excav., 175 cu.yd. concrete culverts, $36,465.

Custer and Loup Counties, 20 mi. Sargent-Harrop Rd., 24 ft. wide, 40,000 cu.yd. excav., 300 cu.yd. concrete culverts, $27,461.

Howard and Hall Counties, 17 mi. St. Paul-Grand Island Rd., 24 ft. wide, 54,000 cu.yd. excav., 190 cu.yd. concrete culverts, $27,376.

Nance and Boone Counties, 24 mi. Genoa-Albion Rd., 24 ft. wide, 87,000 cu.yd. excav., 260 cu.yd. concrete culverts, $42,500.

Frontier Co., 12 mi. Curtis-Stockville Rd., 24 ft. wide, 64,000 cu.yd. excav., 250 cu.yd. concrete culverts, $30,000.

Dixon Co., 17 mi. Allen-Ponca Rd., 24 ft. wide, 50,000 cu.yd. excav., 200 cu.yd. concrete culverts, $26,070.

Holt and Boyd Counties, 41.8 mi. O'Neill-Butte Rd., 24 ft. wide, 190,000 cu.yd. excav., 300 cu.yd. concrete culverts, $83,875.

Polk and Butler Counties, 24 mi. Osceola-David City Rd., 24 ft. wide, 164,043 cu.yd. excav., 275 cu.yd. concrete culverts, 8178 sq.yd. concrete paving, 16 ft. wide, $66,678.

Colfax and Platte Counties, 16.5 mi. Schuyler-Columbus Rd., 24 ft. wide, 32,000 cu.yd. excav., 190 cu.yd. concrete culverts, $20,000.

Furnas Co., 32.5 mi. Cambridge-Oxford Rd., 24 ft. wide, 65,000 cu.yd. excav., 300 cu.yd. concrete culverts, $34,283.

Gage and Jefferson Counties, 31.1 mi. Beatrice-Fairbury Rd., 24 ft. wide, 140,650 cu.yd. excav., 300 cu.yd. concrete culverts, $63,982.

Franklin and Harlan Counties, 23.5 mi. Bloomington-Orleans Rd., 24 ft. wide, 90,000 cu.yd. excav., 260 cu.yd. concrete culverts, $42,644.

Sherman Co., 25.3 mi. Rockville-Loup City Rd., 24 ft. wide, 40,000 cu.yd. excav., 270 cu.yd. concrete culverts, $25,114. G. E. Johnson, state engr.

S. D., Huron—City plans to pave Nebraska St. from 3rd to 9th Sts., and 1st St. from Kansas to Wisconsin Sts. O. A. Ricker, city engr.

North Dakota—State Highway Comrs. Bismarck, soon receive bids building 10.3 mi. State Aid Project No. 3372 from Center Twp. south, Oliver Co., cost $10,055; 4.5 mi. State Aid Project No. 0582 including bridge over Mouse River, Bottineau Co., $10,000. W. H. Robinson, state highway engr.

N. D., Bismarck—Comrs. Burleigh Co. having plans prepared building 12 mi. River Rd. north from Bismarck. About $38,028. W. H. Robinson, state highway engr. Federal Government will appropriate toward cost.

N. D., Fargo—Comrs. Cass Co. plan to build 5 mi. hard surface road from here along Red Trail to new million dollar packing plant, probably concrete. About $40,000. W. B. Stevenson, co. engr.

N. D., Rugby—Comrs. Pierce Co. plan to build 21.6 mi. road south of Balta Twp. About $46,235. W. H. Robinson, Bismarck, state highway engr.

Montana—State Highway Comn., Helena, plans to build State-Aid roads as follows:

Granite Co., reshaping 10 mi., cost $25,000.

Flathead Co., building 45 mi. road in connection with Belton-Glacier Park Project, $55,000.

Phillips Co., grading and gravel surfacing 2 mi. road, Saco Flats Project, $10,000.

Valley Co., grading 7 mi. road, Glasgow Project, $20,000.

Lincoln Co., grading and gravel surfacing 9 mi. road, Libby Project, $10,000.

Carter and Fallon Counties, grading 40 mi. road, Baker-Elkalaka Project, $25,000.

Custer Co., grading and gravel surfacing 6 mi. Yellowstone Trail east of Miles City, $15,000. P. D. Pratt, engr.

Montana—State Highway Comn., Helena, applied to U. S. Government for aid in constructing following highways:

Valley Co., grading 2 sections Hinsdale-Thoeny Rd., cost $12,000; Glasgow-Opheim Rd., $8000.

Choteau Co., 6½ mi. Highwood Rd., $5000.

Phillips Co., 12 mi. Musselshell Rd., $12,000; 10 mi. Saco-Whitewater Rd., $10,000; 8 mi. Dodson-Zortman Rd., $8000; 10 mi. Malta-Zortman Rd., $10,000; 10 mi. Malta-Canada Rd., $10,000; 10 mi. Tait Creek Rd., $10,000; 19 mi. Dodson-Caldwell Rd., $19,000; 8 mi. D. H. S. Rd., $8000; 12 mi. Zortman-Power Plant Rd., $12,000; 7 mi. Sun Prairie-Leedy Rd., $7000; 15 mi. Saco-Greve Rd., $15,000; 2 mi. Saco-Genevieve Rd., $2000; 4 mi. Dodson-Zortman Rd., $4000; 2 mi. Dodson R. F. D. No. 1, $2000; surfacing 2 mi. Dodson R. F. D. No. 2, $5000. P. D. Pratt, engr.

Mont., Butte—City plans to improve various streets to include 24,000 sq.yd. pavement. W. H. Ellis, city engr.

Mo., Benton—Scott Co. plans to gravel surface 7 mi. Poplar Bluff-Cairo Rd., 16 ft. wide. About $39,253.

Mo., Bethany—Harrison Co. plans to pave 9.6 mi. Jefferson Highway, concrete, 9 ft. wide with macadam shoulders. About $141,669.

Mo., Billings—Billings Special Rd. Dist., Christian Co., plans to build 2.9 mi. Springfield-Aurora Rd., chert macadam, 15 ft. wide. About $18,264.

Mo., Bolivar—Springfield Special Rd. Dist., Polk Co., plans to gravel surface 13.5 mi. Springfield-Bolivar Rd., 9 ft. wide. About $42,315.

Mo., Caruthersville—Pemiscot Co. plans to build 10.5 mi. Caruthersville-Kennett Rd., graded earth, 20 ft. wide. About $24,750.

Mo., Centerville—Reynolds Co. plans to build 32 mi. Jefferson City-Poplar Bluff Rd. and 15 mi. St. Louis-Poplar Bluff Rd., graded earth and gravel, 20 ft. wide, $64,000 and $37,500 respectively.

Mo., Charleston—Mississippi Co. plans to gravel surface 24 mi. Cairo-Poplar Bluff Rd., 16 ft. wide. About $241,075.

Mo., Columbia—Harg Special Rd. Dist., Boone Co. plans to gravel surface 5 mi. Natl. Old Trails Rd., 14 ft. wide. About $12,235.

Mo., Eldon—Eldon Special Rd. Dist., Miller Co., plans to build 16 mi. Tuscumbia-Versailles Rd., graded earth, 20 ft. wide. About $10,000.

Mo., Greenville—Wayne Co. plans to build 16 mi. Gads' Hill-Leeper Rd., graded earth, 20 ft. wide. About $20,480.

Mo., Harrisonville—Cass Co. plans to improve 8 mi. Southern Highway from Pleasant Hill Twp. through Straburg to Johnson Co. line. About $64,000.

Mo., Hartville—Wright Co. plans to build 32 mi. Ozark Highway, graded earth, 24 ft. wide. About $32,000.

Mo., Hillsboro—Jefferson Co. plans to gravel surface 9.4 mi. Kings Trace Highway, 16 ft. wide, cost $47,630; 9 mi. De Soto-Farmington Rd., 16 ft. wide, $81,012; slag surface 2.7 mi. Kings Trace Highway, 18 ft. wide, $22,771.

Mo., Huntsville—Randolph Co. plans to build 8 mi. Hannibal-Kansas City Rd., graded earth, 24 ft. wide. About $12,000.

Mo., Iberia—Iberia Special Rd. Dist., Miller Co., plans to build 12 mi. Tuscumbia-Waynesville Rd., graded earth, 20 ft. wide. About $10,400.

Mo., Joplin—Joplin Special Rd. Dist., Jasper Co., plans to pave 6.3 mi. Joplin-Carl Junction Rd., concrete, 18 ft. wide. About $125,000.

Mo., Lebanon—Laclede Co. plans to build 40 mi. St. Louis-Springfield Rd., graded earth, 24 ft. wide. About $40,000.

Mo., Liberty—Clay Co. plans to pave 22.5 mi. Jefferson Highway, bituminous macadam, 16 ft. wide. About $355,157.

Mo., Marshall—Comrs. Marshall Spl. Rd. Dist., Saline Co., plan to pave 8 mi. Natl. Old Trails Rd. asphalt macadam, 16 ft. wide. About $144,000.

Mo., Mexico—Audrian Co. plans to build 16.5 mi. North State Highway, graded earth, 24 ft. wide. About $26,000.

Mo., Millersburg—Comrs. Millersburg Special Rd. Dist., Callaway Co., plan to gravel surface 7.6 mi. Natl. Old Trails Rd., 9 ft. wide. About $45,700.

Mo., Monticello—Lewis Co. plans to build 26 mi. Canton-Edina Rd., graded earth, 24 ft. wide. About $12,000.

Mo., New Madrid—New Madrid Co. plans to gravel surface 19.5 mi. Kingshighway Rd., 16 ft. wide, cost $129,173; 20 mi. Malden-New Madrid Rd., 9 ft. wide, $80,300.

Mo., Palmyra—Marion Co. plans to gravel surface 21 mi. Hannibal-St. Joseph Rd., 16 ft. wide. About $168,000.

Mo., Potosi—Washington Co. plans to gravel surface 12.5 mi. Potosi-De Soto Rd., 16 ft. wide. About $41,500.

Mo., Rolla—Phelps Co. plans to build 34 mi. St. Louis-Springfield Rd., graded earth and gravel, 24 ft. wide. About $52,700.

Mo., Sedalia—Pettis Co. plans to build 16 mi. Sedalia and Windsor Rds., graded earth and gravel, 16 ft. wide. About $22,000.

Mo., Van Buren—Carter Co. plans to gravel surface 30 mi. Jefferson City North-South Rd., 16 ft. wide. About $60,000.

Mo., Versailles—Morgan Co. plans to build 10 mi. Versailles-Tipton Rd., gravel surface, 9 ft. wide. About $21,000.

Mo., Warrensburg—Capital Highway Rd., Johnson Co., plans to build 18 mi. Leeton-Warrensburg Rd., graded earth, 24 ft. wide. About $14,400.

Mo., Westplains—Howell Co. plans to build 30 mi. South Missouri Cross State Highway, graded earth. About $30,000.

Ark., Harrisburg—Comrs. Poinsett Co. receive bids about Mar. 19, building 17 mi. graded earth roads with necessary drainage structures in Rd. Impvt. Dist. No. 2, 22 ft. wide, involving 96,800 cu.yd. grading, 118 cu.yd. concrete culverts, 1250 ft. 18 and 24 in. corrugated pipes, 2 acres clearing and 25 acres clearing and grubbing. About $50,000. Morgan Eng. Co., Goodwyn Institute, Memphis, Tenn., engrs. Noted Sept. 5.

Ark., Harrisburg—Poinsett Co. had plans prepared by Morgan Eng. Co., engrs., Goodwyn Institute, Memphis, Tenn., grading and building 11 mi. road in Trumann-Marked Tree Rd. Dist., 9 ft. concrete, 13 ft. earth, involving 59,300 sq.yd. 6 in. concrete, 97,200 cu.yd. grading, 190 cu.yd. concrete culverts, 1500 ft. 18 and 24 in. corrugated pipes, 35 acres clearing and 16 acres clearing and grubbing.

Tex., Anahuac—Comrs. Chambers Co. plan to build 30 mi. road. About $90,000.

Tex., Ballinger—Comrs. Runnels Co. plan to issue $25,000 bonds to build road through Winters Twp. O. L. Parish, co. judge.

Tex., Centerville—Comrs. Leon Co. plan to build East Branch Exall Highway. Cost, $146,000; about $70,000 available. Federal Government will appropriate toward cost.

Tex., Dallas—City plans to hard-surface 20 mi. highway on Turtle Creek Blvd. G. D. Fairtrace, city engr.

Tex., Wichita Falls—City election Feb. 15 to vote on $75,000 bonds to improve streets. L. C. Hinckley, city engr.

Okla., Oklahoma—City plans to pave East Reno St. from present pavement to Missouri-Kansas-Texas Ry. tracks; also 41st St. from Classen Blvd. to Military Ave., asphaltic concrete. B. M. Hart, city engr.

Idaho, Twin Falls—Twin Falls Highway Dist. plans to issue between $1,000,000 and $1,500,000 bonds to hard surface main highways. W. L. Johnson, Twin Falls, engr.

Ariz., Phoenix—Comrs. Maricopa Co. plan election to vote on $2,000,000 bonds to build highways. E. S. Hackett, Phoenix, comr.

Ore., Eugene—Lane Co. appropriated $120,000 to build branch of McKenzie River Rd. from Cascade Mt. summit to Blue River; $30,000 has been appropriated to build other branch of McKenzie Rd. from Cascade Mt. summit to Three Sisters Mts.

Ore., Pendleton—Umatilla Co. petitioned to improve 6½ mi. gravel road from Milton Twp. to power plant on South Fork River.

Ore., Pendleton—Umatilla Co. plans election to vote on $1,050,000 bonds to build and improve roads.

Ore., Portland—City soon lets contract grading sidewalks and curbs on East 8th, East 44th, East 45th, East Davis, Richmond and Ellis Aves., Hassam Class "A" concrete. O. L. Aurgaard, city engr.

Cal., Colusa—Bd. Supervs. Colusa Co. plans to build 115 mi. roads throughout county. J. B. DeJarnatt, chn. good roads com.

Cal., Los Angeles—Bd. Supervs. Los Angeles plans to build 10 mi. mountain road through San Gabriel canyon, Azusa Twp., R. H. Charlton, superv. Los Angeles Forest Reserve, Federal Bldg., has about $127,000 of Government fund available, but county must provide like sum. F. H. Jones, Hall of Records, co. rd. engr.

Cal., Martinez—City retained P. Farley, engr., to prepare plans for improving various streets, mostly concrete pavement. About $300,000. Noted Jan. 23.

Streets and Roads (Continued)

Cal., Merced—Merced Co. sold $1,250,000 bonds for grading and paving county highways with concrete also building bridges and culverts. Noted Nov. 21.

Cal., San Bernardino—City having plans prepared paving 3rd St. from F St. to Arrowhead Ave., 6 in. concrete pavement, 5th St. from I St. to Mt. Vernon Ave., 5 in. concrete pavement, Arrowhead Ave. from 16th St. to north city limits, H St. from 8th to 9th Sts., E St. from 3rd to 4th Sts., 10th St. from A to B Sts., 4 in. concrete pavement. Plans include building cement curbs, cement sidewalks and installing sewers, etc. C. E. Johnson, city engr.

Ont., Bucke—Town receives bids in spring building various roads. About $18,000. R. Matheson, Haileybury, engr.

Ont., Guelph—Wellington Co. plans to issue $25,000 bonds to build and repair County Road No. 13.

Ont., L'Original—Russell and Prescott Counties will receive bids in spring building various roads during year. About $200,000. F. H. Senecal, clk.

Ont., Ottawa—Bd. Control receives bids in March repaving approach to Bank St. Subway. About $35,000. A. F. McCallum, City Hall, engr.

Ont., Owen Sound—Grey Co. plans to expend $96,000 for building various roads.

Ont., Renfrew—Renfrew Co. receives bids in spring building various roads in county. About $29,000.

BIDS DESIRED

Pa., Phila.—Until Feb. 18, by Dept. Pub. Wks., City Hall, for following street improvements: Schedule "A," repaving over openings in asphalt paved streets on cement concrete base; Schedule "B," repaving over openings in granite, vitr. and wood block paved streets on cement concrete base, Schedule "C," building portion of Parkway from Cherry St. to east of 18th St. and all work incidental thereto.

Virginia—Until Feb. 17, by State Highway Comn., Richmond, building 3¼ mi. Richmond-Petersburg Turnpike from Chesterfield city limits to Falling Creek, Chesterfield Co., concrete, 16 ft. wide, $69,000; 3¼ mi. soil road from Ridgeway, to North Carolina line, Henry Co., 20 ft. wide, $33,600; 8¼ mi. gravel road from Franklin to Courtland, South Hampton Co., $67,900. E. L. von Gemmingen, engr.

La., Shreveport—Until Mar. 1, by Caddo Parish Police Jury, for resurfacing 15 mi. gravel highway. About $12,000. Noted Jan. 30.

O., Columbus—Until Feb. 25, by G. E. Borden, dir. pub. serv., grading, draining, curbing, paving and laying water mains in Main St. from Allen Ave. to Alum Creek, 10,040 ft. long, 54 ft. wide; 4th St. from Naghten St. to Livingston Ave., 5002 ft. long, 44 ft. wide; Carpenter St. from Columbus to Schiller St., 650 ft. long, 24 ft. wide; also grading, draining, curbing and repaving ¼ mi. Broad St. from Ansin to Sandusky St., 22 ft. wide all asphalt; grading, draining and paving Gilbert St. from Columbus to Schiller St., 650 ft. long, 24 ft. wide, asphalt or brick. H. A. Maetzel, city engr. About $730,000.

Minn., Marshall—Until Mar. 3, by city for 15,982 sq.yd. rein. con. pavement 80 ft. wide. About $15,000. L. P. Wolff, Guardian Life Bldg., St. Paul, engr.

Minn., St. Paul—Until Feb. 17, by city, grading and improving 120 ft. north side East 4th St. from Johnson Pkway; Seminary St. from Lexington to Chatsworth Sts.; Sue St. from Goodrich to Princeton Sts.; La Crosse St. from White Bear to Hazel Sts.; Lawson St. from Dale to Kent Sts.; Loeb St. from Lawson to Cook Sts.; Hammond Ave. from Nebraska to Hoyt Aves. H. W. Austin, purch. agt. Noted Jan. 2.

Kan., Oswego—Until Feb. 24, by E. A. Milliken, clk. Labette Co., building 19.3 mi. Sect. A and B, Federal Aid Project No. 2, 18 ft. wide, involving 90,379 sq.yd. earth shoulders, 54,322 cu.yd. earth excav., 36,985 cu.yd. earth borrow, 181,524 cu.yd. gravel pavement, 175.6 cu.yd. Class "A" concrete, 752 cu.yd. Class "C" concrete, 15,138 lb. reinforcing steel and 3008 lin.ft. 15-30 in. concrete pipe. W. J. King, co. engr.

Mo., St. Louis—Until Mar. 4, by Bd. Pub. Serv., paving Winnebago St. from Gravois to Oak Hill Aves., cost $19,400; Bingham Ave. from Gravois Ave. to Morgan Ford Rd., $31,300; Phillips Ave. from Gravois to Oak Hill Aves., $12,250; Dock St. from Hall St. to point east of 2nd St., all brick, $5100; Clarence Ave. from Ashland to Natural Bridge Aves., $12,100; Kossuth Ave. from Obear to Prairie Aves., $14,050; Bingham Ave. from Grand Ave. to west line of Cleveland subdivision, $30,100; Kings Highway from Easton to St. Louis Aves., $132,950; Kings Highway from St. Louis to Natural Bridge Aves., $72,800; Kossuth Ave. from Grand to Obear Aves., all asphalt, $5950; Union Blvd. from Delmar to Page Blvds., $79,150; Lucas Ave. from 11th to High Sts., $6750; McPherson Ave. from center line Walton Ave. to Euclid Ave., all wood block, $6800; Kennerly Ave. from Clara to Goodfellow Aves., $22,800; Ruskin Ave. from West Florissant to Thekla Aves., all bitulithic, $25,900; Cupples Pl. from Euclid Ave. eastwardly for distance of 410 ft., $7050; Allemania St. from Helvetia St. to Grand Ave., $7700; Juniata St. from Louisiana to Arkansas Aves., $6500; Lafayette Ave. from west line of Shaw's Vandeventer Ave. addition to Vandeventer Ave., all bituminous macadam, $4300; 19th St. from Newhouse Ave. to Angelica St., bituminous macadam with telford base and concrete curb, $6800; also resurfacing Newstead Ave., from Olive St. to Page Blvd., asphalt, $32,900. W. W. Horner, city engr. Noted Jan. 30.

Cal., Los Angeles—Until Feb. 24, by Bd. Supervs. Los Angeles Co., for grading and building concrete and corrugated culverts in Lakeshore Dr. northwest of Pasadena. About $12,000.

Cal., Santa Barbara—Until Feb. 20, by S. B. Taggert, city clk., paving Alameda, Padre and Serra Sts. with 5 in. concrete pavement. A. B. Cook, city engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★N. Y., Northport—Village let contract for 18,400 sq.yd. cement concrete pavement, to C. D. Schlemmer, Islip, $45,448.

★Miss., Clarksdale—Bd. Superv. Coahoma Co. let contract grading and graveling 38 mi. road, 9 ft. wide, earth shoulders, to McTigue & Hughey Co., Memphis, Tenn. About $5000 per mi. Work involves 90,000 cu.yd. grading and 90,800 tons gravel. Noted Jan. 30.

★Louisiana—State Highway Comn., New Orleans, let contract building 5 mi. Jefferson Highway in Avoyelles Parish, to A. M. Wilkes, Alexandria. About $35,644. Noted Jan. 16.

★Ohio—State Highway Comn., Columbus, let contract building roads as follows:

Ashtabula Co., Sect. "N," "O" and "P," Cleveland-Buffalo Rd., monolithic brick, 11.92 mi. to F. P. Fitzgerald, Ashtabula, $421,419.

Guernsey Co., Sect. "A," McConnelsville-Spencer Rd., 1.36 mi. waterbound macadam, to O. C. Shafer, Caldwell, $22,159.

Highland Co., Sect. "I" and "K," Milford-Hillsboro Rd., 2.79 and 4.63 mi., bituminous macadam, to J. M. Snouffer, Columbus, $49,087 and $84,964 respectively. Noted Feb. 6.

★Tex., Cisco—City let contract improving various streets, involving 40,000 sq.yd. pavement, to Municipal Paving Co., 2111 Elm St., Dallas. About $54,000. Noted Jan. 30.

★Tex., Galveston—Comrs. Galveston Co. let contract furnishing and placing 8600 cu.yd. shell and scarifying 5.5 mi. Dickinson-League City Rd., 16 ft. wide, to J. C. Kelso, 2522 F St., $2.12 per cu.yd. for shell and $125.00 per mi. for scarifying.

★Okla., Oklahoma—City let contract paving Park Pl. from Blackwelder to Kentucky Sts., McKinley Ave. from Linwood to 10th Sts., and 11th St. from McKinley Ave. to Kentucky St., to Western Paving Co., 518-19 Terminal Bldg., $71,416.

★Nevada—State Highway Comn., State Printing Office Bldg., Carson City, let contract building 4.16 mi. road between Bulkhead and Hudson Aurora Rd., Route 3, Lyon Co., (grading and structure only) to Niedt & Gavin, Reno. About $24,815. Noted Jan. 9.

★Ariz., Mesa—City let contract building McDonald St., to Southwestern Contg. Co., 13th Ave. and Lincoln St., Phoenix. Work involves 12,333 sq.yd. 4 in. concrete pavement with bitulithic surface, at $2.84 per sq.yd., 3223 lin.ft. combination cement curb and gutter, $1.30 per lin.ft., 495 lin.ft. cement curb, $.95 per lin.ft., 635 lin.ft., valley gutter, $1.20 per lin.ft., 948 lin.ft., 14 in. concrete pipe, $1.95 per lin.ft., 456 lin.ft., 12 in. concrete pipe, $1.75 per lin.ft., 2206 lin.ft., 4 in. vitr. pipe, $.45 per lin.ft. and 2 storm water manholes, $400.

Cal., San Diego—City received only bid paving Park Blvd., involving 178,140 sq.ft. 4 in. concrete pavement with 1½ in. asphalt surface, 5248 lin.ft. cement curb and 26,525 sq.ft. cement sidewalks, from G. R. Daley, McNeece Bldg., $58,889. Noted Feb. 6.

Railways

PROPOSED WORK

Massachusetts—State Legislature, Boston, petitioned to authorize incorporation of Metropolitan Belt Line R. R. to build belt line railroad around Boston to be owned and controlled by state.

Connecticut—Waterbury & Milldale Tramway Co., Meridan Rd., Waterbury, plans to extend lines to connect with lines of Connecticut Co. at Dickerman Corners, Milldale Twp.

Missouri—Chicago, Burlington & Quincy R.R., 547 West Jackson Blvd., Chicago, plans to build 38 mi. line from Mexico to Carrollton. A. W. Newton, ch. engr.

Oregon—See "Miscellaneous" under Astoria.

Oregon—A. Paddock, Klamath Falls, and W. Strahorn, 515 Prescott St., Portland, plan to build 7 mi. spur from Dairy to Bonanza to be known as Strahorn R.R.

Excavation and Dredging

PROPOSED WORK

Mass., Lowell—Excavation—State Legislature, Boston, petitioned to lower Hales Brook level and improve meadows in and near here. About $172,000.

Pa., Johnstown—Excavation—See "Streets and Roads."

Pa., New Castle—Excavation—City plans to widen Neshannock Creek and build wall. About $100,000. C. E. Brown, clk.

Fla., Hastings—Drainage—Hastings D. D. plans to widen and deepen Deep Creek from river to Yelvington and Roy, involving 22,400 acres.

Miss., Carrollton—Excavation—Pataocowa Creek D. D., Avalon, soon receives bids for excavating drainage channels, 90 ft. base in Carroll and Grenada Counties. Work invloves 461,500 cu.yd. dragline excavation and 6 acres clearing. Morgan Eng. Co., Goodwyn Institute, Memphis, Tenn., engrs. About $70,000. E. Giles, secy.

Mo., Poplar Bluff—Excavation—Inter River D. D. of Missouri, Butler Co., receives bids in spring for 206 mi. open ditch, 12-55 ft. wide at base, 8-10.5 ft. deep. Works involves 8,000,000 cu.yd. floating dredge work or dry land machine work, 17 mi. levee embankment, etc. Morgan Eng. Co., Goodwyn Institute, Memphis, Tenn., engrs.

Ore., Astoria—Dredging—See "Miscellaneous."

Cal., Holtville—Drainage—Imperial Water Co., No. 7 plans to build adequate drainage system, cost $49,731; drainage work to meet immediate needs, $28,035; building concrete outfall drain to Alamo River, cost $8850; drains in saturated areas will be built with dredger and dragline equipment, others with Fresno scrapers and teams. J. C. Allison, Van Nuys Bldg., Los Angeles, engr.

BIDS DESIRED

Miss., Hollandale—Excavation—See "Miscellaneous."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Ia., Jefferson—Drain—Comrs. Greene Co. let contract for labor for building drain No. 128, involving 114,080 ft. 6-42 in. tile and 46 ft. sewer pipe, to W. Coudon, Jefferson, $43,670; material, to Jefferson Cement & Product Co., Jefferson, $65,354. Noted Feb. 6.

Industrial Works

PROPOSED WORK

Mass., Worcester—M. Barsky, 21 Green St., plans to build 1 story, 200 x 280 ft. machine shop. About $50,000.

R. I., Providence—Maine Creamery Co., 69 Bway., plans to alter present creamery and build 1 story, 35 x 150 ft. and 30 x 60 ft. brick and timber additions, rein.-con. flooring and concrete foundation on Bath St. to be used for garage, stable, office, etc. About $45,000. B. S. D. Martin, 86 Weybosset St., archt.

N. Y., Buffalo—A. L. Vincent, c/o H. C. Lincoln, archt., 15 West Eagle St., had plans prepared altering and converting building at 253 Ellicott St., into garage. About $35,000.

N. Y., Massena—Aluminum Co. of America plans extensive improvements and additions to present plant.

Industrial Works (Continued)

N. Y., New York—Horowitz-Matzoths Co., 271 East 4th St., having preliminary plans prepared by J. Fisher, archt., 25 Ave. A, for 2½-story, 70 x 150 ft., rein.-con. and steel warehouse, rein.-con. flooring, concrete foundation, foot East 3rd St. About $55,000.

N. Y., New York—Pictorial Review Co., 222 West 39th St., plans to build 12-story, 167 x 117 ft., brick and steel printing plant, 7th Ave. and 39th St. About $1,000,000.

N. Y., Poughkeepsie—Korn & Stein, 10 North Cherry St., having plans prepared by D. Carpenter, archt., 45 Market St., for 3-story, 30 x 90 ft., brick factory. About $30,000.

N. J., Bayonne—Southern Cotton Oil Co., 160 East 22nd St., plans to build barrel factory to replace one destroyed by fire. About $75,000.

N. J., Hoboken—See "Miscellaneous."

Pa., Phila.—H. C. Derby, 423 Fairmont Ave., soon lets contract building 2-story, 20 x 95 ft. steel, brick and rein.-con. addition to packing plant, rein.-con. flooring, concrete foundation. About $30,000. A. E. Bump, 39 Milville Ave, Boston, engr.

Pa., Phila.—Miller-North Broad St. Storage Co., 2709-21 North Broad St., plans to build 6-story, 54 x 138 ft. storage warehouse at 5301-03 Germantown Ave. About $100,000.

W. Va., Huntington—J. B. Stevenson, 1661 Fifth Ave., plans to build 2-story, 60 x 160 ft. garage. Meaner & Handloser, 917 Robinson Prichard Bldg., archts.

S. C., Rock Hill—Anderson Motor Co. plans to build garage. About $75,000.

Mich., Detroit—Dept. Motor Trucks plans to build garage at western yards on 19th St. and Michigan Ave. About $75,000.

Mich., Detroit—J. G. Kastler, archt., 523 Chamber of Commerce Bldg., preparing plans for 2-story, 50 x 180 ft. brick, concrete and steel garage, rein.-con. flooring and concrete foundation on Chene St. and East Grand Blvd. Owners name withheld.

Mich., Detroit—Smith, Hinchman & Grylls, archts., 710 Washington Arcade, soon let contract building 2-story, 40 x 115 ft. and 40 x 130 ft. brick, steel and rein.-con. factory, rein.-con. and plank flooring, concrete foundation, on Pine and 5th Sts., for Monroe Sheet Metal & Roofing Co., 563 Myrtle St.

Ill., Chicago—Bankers Supply Co., 2251 South Park Ave., soon receives bids building 1 story, 100 x 370 ft. brick and timber printing plant, concrete foundation on State St. near 59th St. About $120,000. R. E. Pingree, 209 South La Salle St., archt. Noted Jan. 16.

Ill., Chicago—Ilg Electric Ventilating Co., 154 Whiting St., purchased 325 x 1333 ft. site on Crawford Ave. and George St. and plans to build plant. First unit to cost about $250,000.

Ill., Chicago—Krasberg Mfg. Co., 536 Lake Shore Drive, purchased 20,000 sq.ft. site on Ohio St. near lake front and plans to build 7 story brick and concrete plant. About $275,000. A. S. Alschuler, 28 East Jackson St., archt.

Ill., Chicago—Ohio Match Co., Wadsworth, O., plans to build 3-story, 100 x 124 ft. brick, steel and rein.-con. warehouse, rein.-con. flooring and concrete foundation, here. About $200,000. R. H. Hindsale, 527 Erie Bldg., Cleveland, O., archt.

Ill., Chicago—Seng Co., 1450 Dayton St., purchased 290 x 1146 ft. site on Diversey and Crawford Ave., and plans to build plant. About $500,000.

Wis., La Crosse—Armour & Co., Union Stock Yards, Chicago, plans to build 4 story, 81 x 154 ft. warehouse on Front and Mt. Vernon Sts. About $150,000.

Wis., Milwaukee—H. J. Esser, archt., 82 Wisconsin St., receives bids in March building 7 story, 185 x 310 ft., rein. con., brick and steel bakery, rein. con. flooring, concrete foundation, on 24th St. and National Ave. for R. A. Johnston Co., 270 Florida St.

Wis., Milwaukee—Milwaukee Paper Box Co., 400 Florida St., soon receives bids building 5 story, 120 x 145 ft., rein. con., brick and steel factory, rein. con. flooring, concrete foundation on South Pierce and Muskego Sts. About $225,000. Schnetzky & Son, 105 Wells St., archts. Noted May 30.

Ia., Cedar Rapids—Iowa Radiator Co., 1210 South 12th St., W., plans to build addition to factory. Cost between $35,000 and $50,000. W. H. Dunshee, pres.

Ia., Sioux City—Sioux City Tire & Repair Co., 205 4th St., plans to build brick and stone factory on 5th and Plymouth Sts. About $100,000. W. L. Steele, 502 United Bank Bldg., archt.

Ia., Sioux City—See "Buildings."

Minn., Tyler—See "Water-Works."

Colo., Denver—Jackson Compressor Co., 235 South Cherokee St., soon receives bids building 1-story plant on Alameda Ave. and Cherokee St. About $225,000. Montjoy, French & Frewen, Chamber Commerce Bldg., archts.

Colo., Greely—Hackett & Walters Co., 708 7th St., plans to build 37 x 115 ft. modern plant on 7th St.

N. M., Albuquerque—Central Milling Co. plans to build flour mill. About $35,000.

Ore., Astoria—See "Miscellaneous."

Ore., Astoria—Standard Oil Co. plans to build distributing plant. About $200,000.

Cal., Oxnard—City plans election to vote on $140,000 bonds to build gas plant. Estimates have been made and plans are being prepared by Olmsted & Gillelen and J. M. Berkley, engrs., 1112 Hollingsworth Bldg., Los Angeles.

Cal., Sacramento—R. Carstensen, 35th St. and 5th Ave., purchased site on R. St. between 16th and 17th Sts. and plans to build ice manufacturing and cold storage plant. About $225,000.

Ont., Oshawa—F. McCullough, Ritson Rd., plans to build 2 story factory. About $60,000.

BIDS DESIRED

N. Y., Buffalo—J. Dold Packing Co., 723 William St., is receiving bids for 5 story, 60 x 70 ft., rein.-con. addition to plant. A. Robb, purch. agt.

Ill., Chicago—Henschien & McLaren, archts., Old Colony Bldg., receiving bids building 4 story 25 x 50 ft. and 86 x 145 ft., brick and rein.-con. packing plant, rein.-con. flooring and concrete foundation at 925 West 37th Pl., for Illinois Packing Co., 3940 Normal Ave. About $175,000. Noted Jan. 2.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract.)

★**R. I., Providence**—Revere Rubber Co., 355 Valley St., let contract building 1 story, 52 x 90 ft. brick and concrete boiler house, rein.-con. flooring and concrete foundation, on Hemlock St., to Cruise & Smiley Constr. Co., 12 East Ave., Pawtucket. About $30,000.

★**N. Y., New York**—H. Birdsal, 182 West St., let contract building 2-story, 71 x 100 ft., steel and brick garage, rein.-con. flooring, brick foundation, at 221-225 Thompson St., to J. C. Mack, 31 Liberty St. About $40,000.

★**N. Y., New York**—M. A. Schuman, 36 East 12th St., will build 1-story, 100 x 185 ft., steel and brick garage, rein.-con. flooring, concrete foundation, 99th St. near 1st Ave. About $35,000. Work will be done by day labor.

★**Pa., Phila.**—W. Sellers Co., 16th and Hamilton Sts., let contract building 5-story, 52 x 108 ft., rein.-con., brick and steel machine shop, to Barclay, White & Co., 1713 Sansom St. About $100,000. Noted Dec. 26.

★**Pa., Reading**—W. I. Luden Co., 216 North 8th St., plans to build 4-story, 100 x 156 brick building, wooden flooring, on North 8th St. About $75,000. Work will be done by day labor.

★**W. Va., Glasgow**—Travis Glass Co. let contract building 1-story, 100 x 200 ft. factory, to H. L. Dixon, Rosslyn Rd.

★**Ill., Granite City**—Natl. Enameling & Stamping Co. let steel contract for 1-story, 60 x 75 ft. turbine plant, to Stupp Bros. Bridge & Iron Co., Frisco Bldg., St. Louis, Mo. About $50,000. Brick work to be done by day labor. Noted Aug. 29.

★**Wis., Memasha**—Graef Wire & Mfg. Co., 501 East Forest Ave., Neenah, let contract building brick and mill construction plant to include 1 story, 110 x 150 ft. machine shop, 30 x 40 ft. boiler room and 2 story, 50 x 100 ft. warehouse, to Appleton Constr. Co., Appleton. About $50,000. Noted Aug. 1.

Buildings

PROPOSED WORK

Mass., Cambridge—Hospital—City had plans prepared by E. T. P. Graham, archt., 20 Beacon St., Boston, building 2 story on Cambridge Ave. About $100,000. Noted Jan. 16.

Mass., Chicopee—Theatre—J. Bonetakis, 60 Springfield St., plans to alter and build addition to existing building on Center St., to be used as motion picture theatre. About $100,000.

Mass., Springfield—School—Bd. Educ. plans to build 12 room addition to Homer St school. About $120,000.

R. I., Providence—Library—City having plans prepared by Clarke & Howe, archts., 1304 Turk Heads Bldg., for 3 story on Fountain and Empire Sts. About $400,000. Noted Jan. 23.

Conn., Derby—High School—Bd. Educ. Minerva St., plans to build high school. About $200,000.

Conn., Hartford—Auditorium—D. B. Hillyer, 108 Gillett St., having plans prepared by Helmle & Corbett, archts., 190 Montague St., Brooklyn, N. Y., for auditorium on Trinity St., to be known as Bushnell Memorial. About $500,000. Noted Feb. 6.

Conn., Litchfield—Church, etc.—Episcopal congregation plans to build stone church and brick parish house. About $150,000.

Conn., New Britain—Schools—State Legislature, Hartford, petitioned to appropriate $500,000 to build additional state normal schools here. Address State Bd. Educ., Hartford.

Conn., New Haven (Hamden)—Church—F. A. Wells, pastor, Hamden Plains Methodist Episcopal congregation receives bids about Feb. 20, for 57 x 115 ft., brick and concrete, concrete foundation on Dixwell Ave. and Church St. R. W. Foote, 185 Church St., archt. Noted Sept. 26.

Conn., Waterbury—Armory—State Legislature, Hartford, petitioned to appropriate $400,000 to build state armory here.

N. Y., Buffalo—Laboratory—University of Buffalo, 24 High St., considering plans for chemical laboratory on Main St. About $150,000 available.

N. Y., Utica—School—Bd. Educ. plans to build 3 new schools.

N. Y., Watertown—Hotel—F. Dudley of United Hotels Co., Buffalo, plans to build 6 story, concrete and brick hotel on Washington St. and 3 story garage on Goodale St. About $500,000.

N. J., Trenton—Theatre—Hildinger Enterprise, Inc., 135 East Hanover St., plans to build on East State St. About $150,000.

Pa., Phila.—Restaurant—Cheri Inc., c/o J. G. Patton, 15th and Chestnut Sts., plans to alter and build 4-story addition to restaurant at 1604 Chestnut St. About $50,000. C. E. Oelschager, 1615 Sansom St., archt.

Md., Baltimore—Bank—Citizens Natl. Bank, Hanover and Pratt Sts., plans to alter existing building and construct 2-story, 25 x 80 ft., steel, brick and concrete addition. Cost between $75,000 and $100,000. A. D. Graham, pres.

Md., Baltimore—Church—Seventh Baptist congregation, North Ave. and St. Paul St., having plans prepared by C. N. Friz, archt., 1523 Munsey Bldg., for 50 x 150 ft., marble. About $100,000. C. H. Pinchbeck, pastor. Noted Jan. 16.

Md., Baltimore—School—Bd. Estimates authorized purchase of block bounded by Poplar Grove St., Franklin Rd., Lafayette Ave. and Lanvale Sts. and plans to build school. Cost between $200,000 and $250,000. Address J. F. Thrift, secy.

Md., Baltimore—Synagogue and School—Chizuk Amuno congregation purchased site on Eutaw Pl. and Chauncey Lane, and plans to build granite or marble and steel, concrete foundation. About $100,000. W. Levy 2352 Eutaw Pl., acting pres.

Md., Cumberland—Labor Temple—Allegany Trades Council plans to build 3 story, 40 x 100 ft., steel and brick, rock and concrete foundation. Plans include auditorium, dance hall, store and lodge rooms, etc. About $50,000. J. V. Fisher, secy.

Md., Hagerstown—Schools—Bd. Educ. Washington Co., plans to build three 2 story and 3 story, concrete, steel and brick schools, rock foundation, 1 at north end of city, addition to 1 on Antietam St. and 1 at Halfway. About $200,000. A. K. Klinkhart, 27 West Washington St., archt.

Md., Halfway—Schools—See "Hagerstown."

W. Va., St. Mary's—Court House—Pleasants Co. election Mar. 11, to vote on $150,000 bonds to build new court house.

Buildings (Continued)

N. C., Ayden—Administration and Dormitory—Trustees Free Will Baptist Seminary plans to issue $50,000 bonds to construct administration building and dormitory.

S. C., Timmonsville—Bank—People's Bank plans to build on Main St. About $65,000. J. B. Dansbury, pres.

Ga., Atlanta—Museum—City election Mar. 5 to vote on $100,000 bonds to build in Grant Park. H. L. Collier, city engr.

Ala., Mobile—Library—City plans to build library. About $100,000.

O., Cleveland—Theater and Office—B. F. Keith Theater Co., Hippodrome Bldg., plans to build brick, steel and rein.-con., rein.-con. flooring and concrete foundation. J. H. Royal, mgr.

O., Columbus—Schools—Bd. Educ. plans to vote on $1,500,000 bonds to construct 12 to 15 elementary schools.

Mich., Detroit—Schools—Bd. Educ. plans to build new schools and additions and improvements to existing buildings, all included in 1919 budget as follows:
High School, Boston Blvd. and 12th St., cost $1,000,000, completing Nordstrom High School, Fort and Waterman Sts., $750,000.
Addition to Longfellow School, Indiandale and 12th Sts., $120,000.
Addition to Moore School, Alger and Cameron Aves., $200,000.
Addition to Farrand School, Harper Ave. and John R. St., $130,000.
New school, Forest Ave. and Antoine St., $200,000.
New school, Brooklyn Ave. and Locust St., $200,000.
Addition to Dwyer School, Caniff and Rosedale Court, $200,000.
Addition to A. L. Holmes School, $120,000.
Addition to Philip School, $120,000.
New School, Fenkell Ave., $80,000.
Addition to Capron School, Maple and Riopelle Sts., $20,000.
New school in lieu of present Ternane School, $80,000.
New school in lieu of present Everett School Fort and Hastings Sts., $240,000.
New school in lieu of Burton and Clay Schools, Pitcher St. and Cass Ave., $200,000.
New school on Ferry and Joseph Campau Aves., $160,000.
New school in lieu of Irving School, Willis and Woodward Aves., $280,000.
New school in lieu of Logan School, Clippert and Michigan Aves., $200,000.
Addition to Nichols School, Burns and Goethe Aves., $160,000.
New school, Milwaukee Ave. E., and Blvd., $160,000.
New school, Adelaide and Antoine Sts., $240,000.
New school, Canfield and Mt. Elliott Aves., $160,000.
Addition to Condon Junior High School, Vinewood Ave. and Grand Blvd., $130,000.
Addition to Joyce Junior High School, Sylvester and Seneca Aves., $75,000.
Auditorium and gymnasium in Field School, Field and Agnes Aves., $80,000.
Auditorium and gymnasium in Ellis School, Junction and Rich Aves., $70,000.
New school, G. P. Lodd Athletic Field, $20,000.
New school, Goldberg Athletic Field, on 12th and Piquette Sts., $20,000.
Open Air school, Waterman and Lafayette Aves., $25,000.
Open Air school, Brooklyn Ave. and Locust St., $25,000.
Open Air school, Martin and Michigan Aves., $25,000.
Open Air school, Davison and Joseph Campau Aves., $25,000.
Open Air school in vicinity of Maybee School, $25,000; also developing and equipping 4th floor laboratory of Central High School, Cass and Warren Aves., $49,660.

Ill., Chicago—Bank and Office—H. L. Newhouse, archt., 4630 Prairie Ave., receives bids about May 1, building 3 story, 65 x 120 ft. brick and concrete, concrete foundation on 12th St. and Kedzie Ave. for Independence State Bank, 1215 South Kedzie Ave. About $125,000.

Ill., Chicago—Hotel—W. L. Park, 120 South Michigan Blvd., plans to build 8 story apartment hotel on 73rd St. and South Shore Drive. About $1,000,000.

Wis., Janesville—High School—City plans to build school to include gymnasium and auditorium. About $500,000.

Wis., Superior—School—City receives bids in spring building 2 story, 117 x 155 ft. About $125,000. F. E. Johnson, Wisconsin Bldg., archt.

Ia., Sioux City—Home—Comrs. Woodbury Co. having plans prepared by W. Steele, archt., 502 United Bank Bldg., building 2 story, 60 x 180 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Bronson Rd. About $100,000.

Ia., Sioux City—Office—Shoborg Motor Co., 610 Pierce St., plans to build 4 story, 75 x 150 ft. brick, stone and rein.-con. office and garage on 14th and Pierce Sts. About $50,000.

Minn., Cloquet—Fire Hall—City soon lets contract building 2 story, 50 x 100 ft. Holstead & Sullivan, 410 Palladio Bldg., Duluth, archts.

Minn., Duluth—School—Bd. Educ., Lonsdale Bldg., receives bids about Mar. 15, building 1-story, 75 x 175 ft. rein.-con., steel and brick, rein.-con. flooring, concrete and brick foundation, on Minnesota Ave. About $70,000. C. A. Bronson, clk. Croft & Boerner, Lonsdale Bldg., archts.

Minn., Greenbush—School—School Dist. No. 66, Roseau Co., receives bids about Mar. 15, building 2-story, 75 x 100 ft. stone and brick. About $55,000.

Minn., Virginia—City Hall and Public Auditorium—City plans to build 3-story, rein.-con. and brick. About $200,000. A. E. Bickford, city clk.

S. D., Huron—Church—Methodist Episcopal congregation plans to build on site of old church. About $75,000.

N. D., Bismarck—Memorial—State plans to build liberty memorial building on Capitol Grounds. About $200,000.

Mont., Columbus—Court House—Stillwater Co. had plans prepared for 3-story, brick court house. Election soon to vote on $100,000 bonds for project. N. W. Dedrick, Babcock-Selvidge Bldg., Billings, archt.

Mont., Hardin—High School—Bd. Educ. voted $100,000 bonds to build high school. W. Dedrick, Babcock-Selvidge Bldg., Billings, archt.

Mo., St. Louis—Bank—Federal Reserve Bank, Bway. and Pine St., purchased site on 4th and Locust Sts. and plans to build 72 x 150 ft. bank. Address D. C. Biggs, c/o owner.

Mo., St. Louis—Office and Store—Provident Realty & Investment Co., Central Natl. Bank Bldg., having preliminary sketches prepared by T. P. Barnett Co., archts., Central Natl. Bank Bldg., for 5-story, 100 x 105 ft., on Laclede and Euclid Aves. T. P. Barnett, pres.

Mo., St. Louis — Store — P. McCarthy, engr., c/o Grand Leader, soon receives bids tearing down present building and constructing 8-story, 90 x 166 ft. department store on northeast corner 7th and Washington Ave., for Stix, Baer & Fuller Drygoods Co. About $1,000,000.

Tex., San Marcus—Administration, etc.—Trustees San Marcus Baptist Academy plan to construct administration building to include class rooms, auditorium, library, laboratories, etc. About $100,000.

Okla., Chickasha—Courthouse and Jail—Grady Co. plans election to vote on $250,000 bonds to build courthouse and jail. R. S. Cox, co. clk.

Okla., Drumright — High School — Bd. Educ. having plans prepared by Stewart & Lambert, archts., 1213 State Bank Bldg., for 1-story, brick and stone. About $235,000. D. Frye, pres.

Okla., Yale—High and Ward Schools—Bd. Educ. having plans prepared by Tonini & Bramblet, archts., 417 Terminal Bldg., Oklahoma, for brick and stone. About $75,000 and $250,000 respectively. J. U. Joy, clk.

Colo., Center—School—Bd. Ed. receives bids about Feb. 15, building 2 story, 60 x 275 ft. brick and concrete, rein.-con. flooring, concrete and brick foundation. About $82,000 Montjoy, French & Frewen, Chamber Commerce Bldg., Denver, archts.

Colo., Ordway—School—Bd. Ed. receives bids about Feb. 15, building brick and concrete cottage school, rein.-con. flooring, concrete and brick foundation. About $80,000. Montjoy, French & Frewen, Chamber Commerce Bldg., Denver, archts.

Ariz., Morenci—Schools—School Trustees plan election Feb. 24 to vote on $150,000 bonds to build 2 grade schools and addition to Manual Training School. Address J. O. Hodgson.

Ore., Salem—Penitentiary—State Legislature petitioned to appropriate $500,000 to build penitentiary group.

Cal., Fairfield—Hospital—Solano Co. having plans prepared by C. E. Perry, Jr. archt., 1209 Sutter St., Vallejo, for 1 story 100 x 300 ft., brick and frame. About $100,000.

Cal., Quincy—Courthouse and Jail—Plumas Co. having plans prepared by G. C. Sellon & Co., archts., 1005 8th Ave., Sacramento, for 3-story, rein.-con. About $100,000.

Ont., Ottawa—Theatre—Loew Circuit, 432 St. Catherine St., W., Montreal, receives bids in spring building here on Queen St. between O'Conor and Bank Sts. About $250,000.

Ont., Windsor—School—City plans election to vote on $110,000 debentures to build school on East Side.

B. C., South Vancouver—High School—City plans to build 12-room high school. About $150,000. A. Gillespie, comr.

BIDS DESIRED

N. Y., Far Rockaway—Theater—Until Feb. 15, by T. W. Lamb, archt., 644-8th Ave., New York City, building 1 story, 44 x 250 ft., steel and brick, concrete foundation, on Central Ave., here, for Far Rockaway Strand Theater Co., 47th St. and Bway., New York City. About $100,000.

N. Y., Utica—Laboratory, etc.—Until Mar. 4, by State Hospital Comn., Albany, building 2 story, 44 x 60 ft., rein.-con., steel and brick laboratory and mortuary, rein.-con. flooring, concrete foundation, at State Institution here. About $50,000. F. L. Pilcher, Capitol, Albany, archt. Noted Jan. 16.

N. Y., Wards Island—Dining Room—Until Mar. 4, by State Hospital Comn., Albany, building 3 story, 22 x 114 ft., brick, steel and rein.-con., rein.-con. flooring, concrete foundation, at State Hospital here. About $100,000. F. L. Pilcher, Capitol, Albany, state archt.

O., Cleveland—School—Until Feb. 24, by W. R. McCormack, archt., East 6th St. and Rockwell Ave., building 1 story brick, steel and rein.-con. school, rein.-con. flooring and concrete foundation, on East 146th St., near Kinsman Rd. About $200,000. Noted Apr. 25.

Ill., Chicago—Grade School—Until Feb. 19, by Bd. Educ. building 3 story, 100 x 166 ft. brick and steel addition, rein.-con. or asphalt flooring and concrete foundation on Sacramento St. and 39th Pl. About $275,000. A. F. Hussander, 7 South Dearborn St., archt. Noted Dec. 12.

Minn., Cloquet—School—Until Mar. 1, by E. W. Spoor, secy. bd. educ., building 2-story, 62 x 80 ft. rein.-con., steel and brick, rein.-con. flooring, concrete foundation, on Main St. About $50,000. Kelly & Shefelick, Alworth Bldg., archt.

Minn., Duluth—School—Until Mar. 15, by C. A. Bronson, secy. bd. educ., Lonsdale Bldg., for 2-story, 55 x 75 ft. rein.-con. and brick addition to school on 7th St., E., rein.-con. flooring, concrete and rock foundation. About $70,000. Croft & Boerner, Lonsdale Bldg., archt.

Minn., Magnolia—School—Until Feb. 20, by Bd. Educ., Consolidated Dist. No. 5, Rock Co., building here. F. B. Pettengill, clk. G. Pass & Son, Mankato, archts.

Mo., St. Louis—Bank—Until Feb. 25, by L. Haeger, archt., 3844 Utah St., for 2-story, 60 x 100 ft. brick and concrete, on Grand and Hartford Aves., for Tower Grove Bank, Grand and Juniata Aves. About $60,000.

Ont., London—Office—Until Feb. 20, by Watt & Blackwell, archts., Bank of Toronto Bldg., constructing stone and steel for Huron & Erie Mortgage Corp. About $70,000.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. J., Linden**—School—Bd. Educ. let contract building 2-story, 50 x 100 ft., brick and stone addition to P. S. No. 3, Wood Ave., to A. W. Crone & Son, 500 Central Ave., Jersey City. About $60,000. Noted Jan. 23.

Buildings (Continued)

Pa., Phila.—Fire and Police Stations, etc., Dept. Public Safety, received bids Jan. 28 building and completing 1- and 2½-story, 96 x 98 ft. and 46 x 103 ft. fire house; police station and stable on 24th and Ritner Sts., from F. G. Stewart & Co., 1619 Sansom St., $289,000; W. Linker Co., 831 Cherry St., $290,000. Noted Jan. 23.

O., Cleveland—Hall—City received bids building concrete and steel public hall, 95 ft. high on East 6th St. and Lakeside Ave., from Cleveland Fireproof Constr. Co., 1116 Anisfield Bldg. $80,285; Kelly-Demarest & Co., Amer. Trust Bldg., $83,150.

★**Okla., Oklahoma**—Schools, etc.—Bd. Educ. let contract, to Lisle Dunning Constr. Co., 917 Colcord Bldg., Oklahoma, building 2 story, 60 x 110 ft., rein.-con. and brick, 22nd and Walker Sts., cost $60,000; 2 story, 30 x 85 ft., rein.-con. and brick addition to Culbertson School, East 12th St., $29,000; 2 story, 60 x 70 ft., rein.-con. and brick administration building, 3rd and Walker Sts., $30,000.

Ariz., Phoenix—School—Trustees Phoenix School Dist. holding bids received Jan. 30, building 2-story, 80 x 120 ft., brick school, concrete foundation, under advisement for 60 days; same being in excess of appropriation Noted Jan. 2.

Federal Government Work

PROPOSED WORK

Mass., Hingham—Officers' Quarters—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build 2 officers' quarters; Spec. 3804. About $24,000.

R. I., Newport—Hospital—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build emergency hospital. About $500,000.

Pa., Phila. — Wood Block Floor — Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build in smithery extension; Spec. 3802. About $17,000. Bids will be received at local navy yard.

Va., Norfolk—Timber Wharf—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build here; Spec. 3801. About $55,000.

Ill., Rock Island—Steel Building—U. S. Government plans to construct three 1 story 240 x 500 ft. steel buildings at Rock Island Arsenal.

Tex., North Ft. Worth—Argon Production Plant—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to fully develop argon production plant. Plans include construction of buildings, water system, etc.; Spec. 3800. About $2,000,000.

BIDS DESIRED

Pa., Ft. Mifflin—Railroad Extension—Until Mar. 10 (change of date) by Bureau Yards & Docks, Navy Dept., Wash., D. C.; Spec. 3727. About $20,000; $10 deposit required for plans and spec. Noted Jan. 30.

Pa., Phila.—Dredging—Until Mar. 11, by U. S. Eng. Office, Witherspoon Bldg., dredging in Delaware River, Philadelphia Harbor and New Castle, Reedy, Baker and Liston Lighthouse ranges; advertised in this issue. Noted Feb. 13.

Md., Baltimore—Hospital—Until Mar. 3, by J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., building hospital unit A, special hospital unit B-1, attendents quarters, extensions and alterations to kitchen and mess hall, etc., at U. S. Hospital here.

W. Va., Martinsburg—Post Office—Until Feb. 27, by J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., building here.

N. D., Wahpeton—School and Assembly Hall—Until Mar. 7, by C. Sells, comr. Indian affairs, Wash., D. C., building at Wahpeton School here.

N. M., Shiprock—Lavatory Annexes—Until Mar. 7, by C. Sells, comr. Indian affairs, Wash., D. C., building 2 lavatory annexes at San Juan School here.

Cal., San Diego—Barracks—Until Mar. 3, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building 7 rein.-con. and hollow tile barracks, concrete flooring and foundation consisting of barracks A, 2-story, 42 x 319 ft. with 1-story, 41 x 66 ft. dormitory wings, 1-story, 29 x 43 ft. kitchen wing, barrack C, 154 x 182 ft. ell shaped, with 41 x 82 ft. and 41 x 73 ft. dormitory wings, 14 ft. connecting arcade, etc.; Spec. 3733. About $1,350,000. Noted Jan. 23.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Conn., New Haven**—Repairing Yale Boat House—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract, to Larkin & Carey Co., 166 Brewery St., $3297 (30 days). Noted Jan. 16.

★**N. Y., Montauk**—Completion of Building—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract completing building under Contr. No. 2975, to Williams-Gerstle Eng. Co., 198 Bway., New York City, $10,231 (30 days).

★**Pa., Phila.**—Water Tower Pump and Tank House—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building at Grays Ferry Rd., to J. McCloskey, Jr., 1620 Thompson St., $15,567 (90 days). Noted Feb. 6.

★**D. C., Anacostia**—Heating Hangar—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract heating hangar at Naval Air Sta., to L. E. Breuninger, Colorado Bldg., Wash., D. C., $10,625 (75 days). Noted Feb. 6.

★**Fla., Key West**—Dredging—U. S. Eng. Office, Jacksonville, let contract dredging in Key West Harbor, involving 174,926 cu. yd. to Bowers Southern Dredging Co., 914 Amer. Natl. Insurance Bldg., Galveston, Tex., $1.38 per cu.yd. Noted Feb. 6.

★**Fla., Pensacola** — Fence and Gates — Bureau Yards and Docks, Navy Dept., Wash., D. C., let contract building around ammunition depot, Naval Air Sta., to Cyclone Fence Co., 715 Woodward Bldg., Wash., D. C., $6829. Noted Feb. 6.

Miscellaneous

PROPOSED WORK

Park—Bridgeport, Conn.—City appropriated $10,000 to develop Beechwood Park to include new trees, shrubbery, flowers, etc. J. A. McElroy, city engr.

Retaining Wall — Tonawanda, N. Y. — State Legislature, Albany, petitioned to appropriate $25,500 to build retaining wall over canalized Ellicott Creek here.

Dry Dock, etc.—Hoboken, N. J.—W. and A. Fletcher Co., 1301 Hudson St., plans to build large floating dry dock and 50 x 150 ft. concrete and steel plate shop. About $1,500,000.

Wall—New Castle, Pa.—See "Excavation and Dredging."

Waterfront Development—Baltimore, Md. —City Harbor Bd. petitioned Congress to increase appropriation for improving Spring Gardens channel of Patapsco River from $200,000 to $700,000; also enlarging anchorage in Patapsco River opposite Ft. McHenry.

Slip and Pier—Tampa, Fla.—City plans to build on west side of estuary. About $180,000 available. R. D. Martin, city engr.

Elevator Equipment—Kingsport, Tenn.—City plans to install elevator equipment for raising crushed stone, slag, coal, etc., from hoppers under railway tracks to elevated loading bins, sufficiently equipped for operating 4 bins of 50 cu.yd. capacity. W. R. Pouder, city mgr.

Tunnels—Detroit, Mich.—City Council instructed Corporation Counsel to prepare proper legislation to enable city and Ecorse Twp. to build tunnels at West Jefferson Ave. and at Fort St. under River Rouge. About $3,000,000. C. W. Hubbell, city engr.

Subway—Fargo, N. D.—Northern Pacific Ry. had plans prepared building concrete subway under tracks on 10th St. About $20,000. H. E. Stevens, St. Paul, Minn., ch. engr.

Protection Dike—Red Lodge, Mont.—State Highway Comm., Helena, applied to U. S. Government for aid in constructing dike, in connection with Sect. 1, Carbon Co., Billings-Cody Way Federal Aid Project Work involves 5500 cu.yd. earth dike and 1200 yd. hand placed riprap. Northern Pacific R.R. will appropriate toward cost.

Baseball Park—Oklahoma, Okla.—Oklahoma Baseball Club having plans prepared by L. Bailey, archt., 1117 South Robinson St., Oklahoma, for baseball park and grand stand to seat about 4000 people. About $20,000.

Scenic Railroad—Flagstaff, Ariz.—F. McCabe secured lease from Federal Government and plans to build 14 mi. scenic railroad from here to top of San Francisco Mountain.

Fill and Bulkhead—Astoria, Ore.—Sanitary & Recl. Comn. will consider passage of resolutions for construction of sand fill, cost, $200,000, and bulkhead, $200,000, in 3rd Recl. Dist.

Port Improvements—Astoria, Ore.—Port of Astoria plans to sell $750,000 bonds for various improvements at port including 1 mi. belt line extension, building export and import pier and warehouse, dredging Skipanon River to depth of 20 ft., providing space for 25 mi. side tracks at port terminals, enlarging power plants for city, etc.

Coal Bunkers — Portland, Ore. — West Coast Coal & Dock Co., recently incorporated, plans to build south of Harriman bridge. A. H. Edelfsen, 301 Oak St., mgr.

Dam—Newcastle, N. B.—Town Council plans to build power dam with fishway, on Sevogle River. About $50,000. Bocker & McKechnie, Davidson Bldg., Halifax, N. S., engrs.

Pipe—Ottawa, Ont.—Bd. Control receives bids in March, furnishing cement, tile, iron and lead pipe and brass fittings. About $100,000. A. F. McCallum, City Hall, engr.

Weigh Scales and Houses—Ottawa, Ont. —Bd. Control receives bids in spring for building, altering and improving weigh scales and houses. About $20,000. A. F. McCallum, engr.

Machinery—Owen Sound, Ont.—Grey Co. authorized expenditure of $24,000 for road machinery.

BIDS DESIRED

Gasoline—New York, N. Y.—Until Feb. 19, by F. L. Dowling, pres. Manhattan Boro., furnishing and delivering 40,000 gal. gasoline.

Truck, Tractor, etc.—New York, N. Y. —Until Feb. 18, by C. D. Van Name, pres. Richmond Boro., furnishing and delivering 2½ ton automobile truck, 3 ton automobile tractor, and a semi-trailer.

Oiling—Baltimore, Md.—Until Feb. 20, by State Rds. Comn., 601 Garrett Bldg., oiling 37.95 mi. road, Dorchester, Somerset, Wicomico and Worcester Counties, involving 69,103 gal. oil; 81.61 mi. road Cecil, Kent, Queen Annes, Talbot and Caroline Counties, involving 165,796 gal. oil; 53.3 mi. road Montgomery, George and Charles Counties, involving 169,188 gal. oil; 147.33 mi. road Baltimore, Harford and Anne Arundel Counties, involving 299,376 gal. oil.; 147.89 mi. road, Carroll, Frederick, Howard, Montgomery and Baltimore Counties, involving 300,939 gal. oil and 161.65 mi. road, Garrett, Allegheny, Washington and Frederick Counties, involving 326,262 gal. oil; advertised in this issue.

Pumping House and Dam—Hollandale, Miss.—Until Apr. 8, by Black Bayou D. D., Washington Co. (Greenville) building 1-story, pumping plant house, foundations for machinery, and concrete dam in by pass channel, near here. Work involves 100 cu. yd. concrete in dam, 3.5 tons steel, 30,000 ft. B. M. (Martinez Type) sheet piling, 3000 cu.yd. excav., and 8000 ft. B. M. timber for building and screen in by pass, etc. About $17,000. Morgan Eng. Co., Goodwyn Institute, Memphis, Tenn., engrs.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Sheet Steel Rivets, etc.—Los Angeles, Cal.**—J. P. Vrooman, secy. dept. pub. wks., 645 South Olive St., let contract furnishing sheet steel rivets and pipe sections for penstock for powerhouse No. 2, San Francisquito canyon, to Western Pipe & Steel Co., 1758 North Bway., $92,000. Noted Jan. 2.

Cement in New York

On Jan. 18 the New York cement price to contractors, for 1000-bbl. lots, at dock, dropped from $4 to $3.45, including bags, as noted in our issue of Jan. 30. This decline was purely local, even the Jersey City price remaining unchanged.

OFFICIAL PROPOSALS

OFFICIAL PROPOSALS

Bids: Feb. 18 & 19.

Canal Improvements

STATE OF NEW YORK
OFFICE OF SUPERINTENDENT OF PUBLIC WORKS

Albany, N. Y.

Sealed proposals will be received by the undersigned at his office in the Capitol at Albany, N. Y., until twelve o'clock noon of Tuesday, February 18, 1919, at which place and hour they will be publicly opened and read, for the improvement of the State canals as authorized by Chapter 147 of the Laws of 1903 and amendatory laws, and Chapter 391 of the Laws of 1909; and for the construction of Barge canal terminals pursuant to the provisions of Chapter 746 of the Laws of 1911, as follows:

TERMINAL CONTRACT NO. 57

For constructing certain parts of an approach from Court Street and South Avenue to the Barge canal terminal at Rochester.

Contract plans, sheets 1 to 10 inclusive.

TERMINAL CONTRACT NO. 69

For protecting the shore of Erie Basin between Lake Street and Slip No. 1, at Buffalo.

Contract plans, sheets 1 and 2.

TERMINAL CONTRACT NO. 107

For installing electric wiring, lighting, power and battery charging equipment for the canal terminal at Erie Basin, Buffalo.

Contract plans, sheets 1 to 10 inclusive.

TERMINAL CONTRACT NO. 223

For constructing a Barge canal terminal freight-shed at Greenpoint, Brooklyn, New York City.

Contract plans, sheets 1 to 11 inclusive.

And until twelve o'clock noon of Wednesday, February 19, 1919, for the following pieces of work:

CONTRACT NO. 200

Erie Canal—Sections 9 and 10

For driving steel sheet piling, placing concrete lining and incidental work between Rochester and Lockport.

Sheets 1 to 5 inclusive.

CONTRACT NO. 201

Erie Canal—Section 9

For completing the concrete prism lining at Cartersville and constructing a stream entrance near Knapp's bridge.

Sheets 1 to 3 inclusive.

CONTRACT Q

Cayuga and Seneca Canal—Section 1

For constructing pile dolphins for aids to navigation on Cayuga and Seneca lakes.

Sheets 1 to 5 inclusive.

Plans may be seen and detailed specifications, engineer's estimate of quantities, proposal blanks, form of contract and bonds required and other information for proposers may be had at the office of the Superintendent of Public Works at Albany, N. Y., at the office of the Assistant Superintendent of Public Works for the Middle Division at Syracuse, N. Y., at the office of the Assistant Superintendent of Public Works for the Western Division at Rochester, N. Y., at the canal office, Spaulding's Exchange, Buffalo, N. Y., and at the office of the State Engineer and Surveyor.

Copies of detailed plans or drawings may be obtained from the State Engineer and Surveyor at Albany, N. Y., upon payment to him of the cost of producing them.

Monthly estimates will be paid of ninety per centum (90%) of the work done at the contract price. Every proposal for said work must be accompanied by a money deposit in the form of a draft or certified check upon some good banking institution in the city of Albany or New York, issued by a national or state bank (or trust company in the case of terminal contract) in good credit within the state and payable at sight to the Superintendent of Public Works for five per centum (5%) of the amount of the proposal.

The person whose proposal shall be accepted will be required to execute a contract and furnish bonds within ten days from the date of notice of award delivered to him or them in person or mailed to the address given in the proposal.

Upon execution of the contract and approval of bonds, the certified check or draft will be returned to the proposer unless the same shall have been presented for collection prior to such time, in which case the amount of the deposit will be refunded by the Superintendent of Public Works.

The deposits of bidders other than the one to whom the award of contract shall be made will be returned immediately after the award has been made.

The bond required for the faithful performance of each contract shall be in such sum as shall be fixed by the Superintendent of Public Works, which sum shall not be less than twenty per centum (20%) of the estimated cost of the work according to the contract price, and an additional bond, known as the labor bond, in the sum of ten per centum (10%) of the amount of the estimated cost of the work according to the contract price, will be required as security that the contractor will pay in full at least once in each month all laborers employed by him upon the work specified to be done in the contract.

In the event that more than one surety company is offered as surety on said bonds co-insurance only will be accepted.

Each proposal must be addressed to the Superintendent of Public Works, Albany, N. Y., and must be endorsed on the envelope with the name of the construction for which the proposal is made.

Award, if made, will be made to the person or persons whose proposal shall be lowest in cost to the State for doing the work, and which shall comply with all provisions required to render it formal. Before any award shall be made the lowest bidder will be required to satisfy the Superintendent of Public Works of his ability to provide suitable equipment and materials for the proper performance of the work.

The right is reserved to reject all proposals and readvertise and award the contract in the regular manner if, in the judgment of the undersigned, the interests of the State will be enhanced thereby.

W. W. WOTHERSPOON,
Superintendent of Public Works.

January 15, 1919.

Bids: Feb. 18.

Water Main

Jersey City, N. J.

Sealed proposals will be received by the Board of Commissioners of Jersey City, N. J., Tuesday, February 18, 1919, at 2 P.M., in the Assembly Chamber, City Hall, Jersey City, for the construction of a water main under the Hackensack and Passaic Rivers, in accordance with plans and specifications, and addenda thereto, on file in the office of the City Clerk of Jersey City, for public inspection.

Blank forms of bid, showing estimate of quantities and agreements of sureties, must be obtained at the office of the Consulting Engineer, Laurence A. Ball, Room 23, City Hall, Jersey City. A deposit of $25 must accompany each application for copy of plans and specifications, which deposit will be refunded when plans and specifications are returned to the Consulting Engineer in good condition.

Proposals must be inclosed in sealed envelopes, endorsed "Proposal for Water Main Under Hackensack and Passaic Rivers," directed to this board, and handed to the City Clerk in open meeting when called for in the order of business relating to sealed proposals.

The bonds required to be furnished on proposals (and a possible subsequent contract) are those of some surety company authorized to do business in the State of New Jersey.

The Board reserves the right to reject any or all proposals if it is considered for the best interests of the city so to do.

By order of the Board of Commissioners of Jersey City.

Dated: City Clerk's Office.

FRANK A. DOLAN, City Clerk.

Jersey City, January 24, 1919.

PROPOSAL FOR DREDGING.—U. S. Engineer Office, Custom House, Norfolk, Va. Sealed proposals will be received here until 12 o'clock noon, February 21, 1919, and then opened, for dredging in the Inland Waterway from Norfolk, Va., to Beaufort Inlet, N. C. Further information on application.

Proposals for Jetty Work—U. S. Engineer Office, Dallas, Tex.—Sealed proposals will be received here until 11 a. m., Feb. 25, 1919, and then opened, for jetty work at Sabine Pass, Tex. Further information on application.

Price, $3.60 an inch—Copy can be received until Wednesday, 10 a.m., for issue out the next morning.

The publication of an advertisement on this page is an official notice that bids are wanted from other than local bidders.

It is also a guarantee that maximum competition is invited because Engineering News-Record is the *one* nationally recognized medium for Proposal advertising. Its Searchlight Section is read each week by nearly every worth-while contractor in this country who bids on public work outside his own city.